

CLAIMS

We claim:

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Q1

1 1 A telecomputer network system comprising:
 2 a redundant digital microwave communication system;
 3 a wireless local area network (LAN); and
 4 a mobile hub station configured to transfer information as a single
 5 nomadic transmission/reception point between the microwave
 6 communication system and the wireless LAN, such that information is
 7 transferred over the network using ethernet packet switching protocol.
 8

1 2. The network defined Claim 1 wherein the microwave
 2 communication system operates as a secured private intranet.

1 3. The network defined Claim 1 wherein the information is
 2 transferred using the TCP/IP protocol.

1 4. The network defined Claim 1 wherein the wireless LAN
 2 comprises a plurality of nodes with at least one personal computer at
 3 each of the plurality of nodes.

1 5. The network defined Claim 1 wherein the microwave

2 communication system comprises a plurality of hubs, wherein each hub
3 comprises a wireless router and a relay station to relay information
4 between hubs.

1 6. The network defined Claim 1 wherein the mobile hub
2 station comprises an uplink to the microwave communication system.

1 7. The network defined Claim 1 wherein the mobile hub
2 station is configured to relay information between the wireless LAN and
3 the microwave communication system, and comprises a server to control
4 the relaying of information.

1 8. The network defined Claim 1 wherein the mobile hub
2 station comprises a workstation viewing environment.

1 9. The network defined Claim 1 wherein the mobile hub
2 station comprises an omni-directional antenna.

1 10 The network defined in Claim 1 wherein the mobile hub
2 station comprises a vehicle.

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5 Q2
~~11. A telecomputer network comprising:
a wireless wide area network (WAN) comprising a redundant~~

6 digital microwave communication system configured to operate as a
7 intranet;

8 a wireless local area network (LAN), wherein the wireless LAN
9 comprises a plurality of nodes with an individual personal computer at
10 each of the plurality of nodes; and

11 a mobile vehicle configured to transfer information as a single
12 nomadic transmission/reception point between the microwave
13 communication system and the wireless LAN, wherein transfers of
14 information over the network using the TCP/IP protocol.

1 ¹⁵
~~12.~~ The network defined Claim ¹⁴~~11~~ wherein the wireless WAN
2 operates as a private intranet.

1 ¹⁶
~~13.~~ The network defined Claim ¹⁴~~11~~ wherein the microwave
2 communication system comprises a plurality of hubs, wherein each hub
3 comprises a wireless router and a relay station to relay information
4 between hubs.

1 ¹⁷
~~14.~~ The network defined Claim ¹⁴~~11~~ wherein the mobile vehicle
2 comprises an uplink to the microwave communication system.

1 ¹⁸
~~15.~~ The network defined Claim ¹⁴~~11~~ wherein the mobile vehicle
2 is configured to relay information between the wireless LAN and the

3 microwave communication system, and comprises a server to control the
4 relaying of information.

1 ¹⁹~~16.~~ The network defined Claim ¹⁴~~11~~ wherein the mobile vehicle
2 comprises a workstation viewing environment.

1 ²⁰~~17.~~ The network defined Claim ¹⁴~~11~~ wherein the mobile vehicle
2 comprises an omni-directional antenna.

1 ²⁴~~18.~~ A telecomputer network comprising:
2 a redundant digital microwave communication system configured
3 to operate as a secured private intranet to transfer information using a
4 ethernet packet switching protocol;
5 a wireless local area network (LAN) configured to transfer
6 information using the ethernet packet protocol, wherein the wireless
7 LAN comprises a plurality of nodes with an individual personal
8 computer at each of the plurality of nodes; and
9 a plurality of mobile vehicles, wherein each mobile vehicle is
10 configured to transfer information as a single nomadic
11 transmission/reception point between the microwave communication
12 system and the wireless LAN.

add
Q3